

Docket No.: 203973US0X

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF:

:

Bettina MOECKEL et al

: ATTN: BOX SEQUENCE

SERIAL NO. NEW U.S. APPLICATION

:

FILED: HERewith

:

FOR: NUCLEOTIDE SEQUENCES WHICH CODE FOR THE
LYSR3 GENE

SEQUENCE LISTING STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Applicants submit a Sequence Listing and a corresponding computer-readable Sequence Listing. The sequence information recorded in the corresponding computer-readable Sequence Listing is identical to the paper copy of the Sequence Listing. Support for all of the sequences listed in the Sequence Listing is found in the present application as filed herewith.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



22850

A handwritten signature in black ink, appearing to read 'Norman F. Oblon'.

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203973US0X

SEQUENCE LISTING

<110> MOCKEL, BETTINA

KREUTZER, CAROLINE

<120> NUCLEOTIDE SEQUENCES WHICH CODE FOR THE LYSR3 GENE

<130> 203973US0X

<150> DE10039049.8

<151> 2000-08-10

<160> 5

<170> PatentIn version 3.0

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<212> DNA

<213> Corynebacterium glutamicum

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<221> CDS

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acaataatta ttgaatctac aatcggatcg ggaactggaa tttccgcccg ttttcctat	180
ccacaaaagg accaagataa gtg atc cgt att ctg ttg gct gat gat cat ccc	233
Val Ile Arg Ile Leu Leu Ala Asp Asp His Pro	

	1	5	10	
gtt gtt cgc gca ggc ctt gcc tcc ttg ctg gtg agt gaa gat gat ttt				281
Val Val Arg Ala Gly Leu Ala Ser Leu Leu Val Ser Glu Asp Asp Phe				
	15	20	25	
gag ata gtg gac atg gtg ggc acc cca gat gat gcc gtt gcg cgc gcc				329
Glu Ile Val Asp Met Val Gly Thr Pro Asp Asp Ala Val Ala Arg Ala				
	30	35	40	
gcg gaa ggc ggg gtg gat gtg gtg ttg atg gat ctg cgt ttt ggt gat				377
Ala Glu Gly Gly Val Asp Val Val Leu Met Asp Leu Arg Phe Gly Asp				
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caa cca ggc atc gag gtc gcc ggc ggg gta gag gca acg cgt cgc atc				425
Gln Pro Gly Ile Glu Val Ala Gly Gly Val Glu Ala Thr Arg Arg Ile				
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cgt gcg ctg gac aac ccg cca cag gta ctg gtg gtg acc aac tac tcc				473
Arg Ala Leu Asp Asn Pro Pro Gln Val Leu Val Val Thr Asn Tyr Ser				
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aca gac ggc gat gtg gtg ggc gca gta tct gct ggt gcc gtg ggg tat				521
Thr Asp Gly Asp Val Val Gly Ala Val Ser Ala Gly Ala Val Gly Tyr				
	95	100	105	
ttg ctc aaa gat agc tcc cca gaa gat ctc att gcc ggt gtt cgc gat				569
Leu Leu Lys Asp Ser Ser Pro Glu Asp Leu Ile Ala Gly Val Arg Asp				
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gcc gcg cgg gga gaa tca gtg ctt tca aag cag gtc gcc agc aag atc				617
Ala Ala Arg Gly Glu Ser Val Leu Ser Lys Gln Val Ala Ser Lys Ile				
	125	130	135	
atg ggg cgg atg aac aac ccc atg act gct ctc agt gcc aga gaa att				665
Met Gly Arg Met Asn Asn Pro Met Thr Ala Leu Ser Ala Arg Glu Ile				
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gaa gtg ctg tcc ttg gtg gcg caa ggg caa agc aat aga gaa atc ggc				713
Glu Val Leu Ser Leu Val Ala Gln Gly Gln Ser Asn Arg Glu Ile Gly				
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aag aaa ctt ttc ctc act gag gcc acg gtg aaa agt cac atg ggg cat				761
Lys Lys Leu Phe Leu Thr Glu Ala Thr Val Lys Ser His Met Gly His				
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gtg ttc aac aag ctg gat gtc acc tct aga aca gct gcg gta gct gaa				809
Val Phe Asn Lys Leu Asp Val Thr Ser Arg Thr Ala Ala Val Ala Glu				
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Ala Arg Gln Arg Gly Ile Ile				
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35 40 45

Asp Val Val Leu Met Asp Leu Arg Phe Gly Asp Gln Pro Gly Ile Glu
50 55 60

Val Ala Gly Gly Val Glu Ala Thr Arg Arg Ile Arg Ala Leu Asp Asn
65 70 75 80

Pro Pro Gln Val Leu Val Val Thr Asn Tyr Ser Thr Asp Gly Asp Val
85 90 95

Val Gly Ala Val Ser Ala Gly Ala Val Gly Tyr Leu Leu Lys Asp Ser
100 105 110

Ser Pro Glu Asp Leu Ile Ala Gly Val Arg Asp Ala Ala Arg Gly Glu
115 120 125

Ser Val Leu Ser Lys Gln Val Ala Ser Lys Ile Met Gly Arg Met Asn
130 135 140

Asn Pro Met Thr Ala Leu Ser Ala Arg Glu Ile Glu Val Leu Ser Leu
145 150 155 160

Val Ala Gln Gly Gln Ser Asn Arg Glu Ile Gly Lys Lys Leu Phe Leu
165 170 175

Thr Glu Ala Thr Val Lys Ser His Met Gly His Val Phe Asn Lys Leu

180

185

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Ile Ile
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 aactactcca cagacggcga tgtggtgggc gcagtatctg ctggtgccgt ggggtatttg 180
 ctcaaagata gtcctccaga agatctcatt gccggtgttc gcgatgccgc gcggggagaa 240
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<213> Artificial Sequence

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<221> misc_feature

<223> Description of Artificial Sequence: synthetic DNA

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